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| 3 | 413 | (348/569).CCLS. | USPAT; US-PGPUB | 2004/08/01 15:02 |
| 4 | 12 | ((("6249320") or ("6115074") or ("6111612") or ("6111611") or ("6031577") or ("5914746") or ("5200823") or ("6598233") or ("6313886") or ("6137539") or ("6133910") or ("5914746") or ("5485221"))).PN. | USPAT; US-PGPUB | 2004/08/01 14:49 |
| 5 | 410 | ((348/569).CCLS.) not (((("6249320") or ("6115074") or ("6111612") or ("6111611") or ("6031577") or ("5914746") or ("5200823") or ("6598233") or ("6313886") or ("6137539") or ("6133910") or ("5914746") or ("5485221"))).PN.) | USPAT; US-PGPUB | 2004/08/01 15:02 |
| 6 | 31 | ((348/569).CCLS.) not (((("6249320") or ("6115074") or ("6111612") or ("6111611") or ("6031577") or ("5914746") or ("5200823") or ("6598233") or ("6313886") or ("6137539") or ("6133910") or ("5914746") or ("5485221"))).PN.)) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel) | USPAT; US-PGPUB | 2004/08/01 15:03 |
| 7 | 256 | (348/554).CCLS. | USPAT; US-PGPUB | 2004/08/01 15:08 |
| 8 | 244 | ((348/554).CCLS.) not ((348/569).CCLS.) not (((("6249320") or ("6115074") or ("6111612") or ("6111611") or ("6031577") or ("5914746") or ("5200823") or ("6598233") or ("6313886") or ("6137539") or ("6133910") or ("5914746") or ("5485221"))).PN.) | USPAT; US-PGPUB | 2004/08/01 15:08 |
| 9 | 6 | ((348/554).CCLS.) not ((348/569).CCLS.) not (((("6249320") or ("6115074") or ("6111612") or ("6111611") or ("6031577") or ("5914746") or ("5200823") or ("6598233") or ("6313886") or ("6137539") or ("6133910") or ("5914746") or ("5485221"))).PN.)) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel) | USPAT; US-PGPUB | 2004/08/01 15:08 |
| 10 | 309 | (348/553).CCLS. | USPAT; US-PGPUB | 2004/08/01 15:13 |
| 11 | 250 | ((348/553).CCLS.) not ((348/554).CCLS.) not ((348/569).CCLS.) not (((("6249320") or ("6115074") or ("6111612") or ("6111611") or ("6031577") or ("5914746") or ("5200823") or ("6598233") or ("6313886") or ("6137539") or ("6133910") or ("5914746") or ("5485221"))).PN.) | USPAT; US-PGPUB | 2004/08/01 15:13 |
| 12 | 5 | ((348/553).CCLS.) not ((348/554).CCLS.) not ((348/569).CCLS.) not (((("6249320") or ("6115074") or ("6111612") or ("6111611") or ("6031577") or ("5914746") or ("5200823") or ("6598233") or ("6313886") or ("6137539") or ("6133910") or ("5914746") or ("5485221"))).PN.)) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel) | USPAT; US-PGPUB | 2004/08/01 15:13 |

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| 13 | 378 | (348/563).CCLS. | USPAT; US-PGPUB | 2004/08/01 15:15 |
| 14 | 17 | ((348/563).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel) | USPAT; US-PGPUB | 2004/08/01 15:15 |
| 15 | 8 | ((348/563).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not ((348/553).CCLS.) not ((348/554).CCLS.) not ((348/569).CCLS.) not (("6249320") or ("6115074") or ("6111612") or ("6111611") or ("6031577") or ("5914746") or ("5200823") or ("6598233") or ("6313886") or ("6137539") or ("6133910") or ("5914746") or ("5485221")).PN.) | USPAT; US-PGPUB | 2004/08/01 15:15 |
| 16 | 481 | (348/564).CCLS. | USPAT; US-PGPUB | 2004/08/01 15:17 |
| 17 | 20 | ((348/564).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel) | USPAT; US-PGPUB | 2004/08/01 15:17 |
| 18 | 7 | ((348/564).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not ((348/563).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not ((348/553).CCLS.) not ((348/554).CCLS.) not ((348/569).CCLS.) not (("6249320") or ("6115074") or ("6111612") or ("6111611") or ("6031577") or ("5914746") or ("5200823") or ("6598233") or ("6313886") or ("6137539") or ("6133910") or ("5914746") or ("5485221")).PN.) | USPAT; US-PGPUB | 2004/08/01 15:17 |
| 19 | 365 | (348/565).CCLS. | USPAT; US-PGPUB | 2004/08/01 15:24 |
| 20 | 19 | ((348/565).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel) | USPAT; US-PGPUB | 2004/08/01 15:28 |
| 21 | 10 | ((348/565).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not ((348/564).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not ((348/563).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not ((348/553).CCLS.) not ((348/554).CCLS.) not ((348/569).CCLS.) not (("6249320") or ("6115074") or ("6111612") or ("6111611") or ("6031577") or ("5914746") or ("5200823") or ("6598233") or ("6313886") or ("6137539") or ("6133910") or ("5914746") or ("5485221")).PN.) | USPAT; US-PGPUB | 2004/08/01 15:24 |
| 22 | 135 | (348/567).CCLS. | USPAT; US-PGPUB | 2004/08/01 15:28 |

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| 23 | 118 | ((348/567).CCLS.) not (((348/565).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not (((348/564).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not (((348/563).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not ((348/553).CCLS.) not ((348/554).CCLS.) not ((348/569).CCLS.) not (((("6249320") or ("6115074") or ("6111612") or ("6111611") or ("6031577") or ("5914746") or ("5200823") or ("6598233") or ("6313886") or ("6137539") or ("6133910") or ("5914746") or ("5485221"))).PN.) | USPAT; US-PGPUB | 2004/08/01 15:28 |
| 24 | 1 | ((348/567).CCLS.) not (((348/565).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not (((348/564).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not (((348/563).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not ((348/553).CCLS.) not ((348/554).CCLS.) not ((348/569).CCLS.) not (((("6249320") or ("6115074") or ("6111612") or ("6111611") or ("6031577") or ("5914746") or ("5200823") or ("6598233") or ("6313886") or ("6137539") or ("6133910") or ("5914746") or ("5485221"))).PN.)) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel) | USPAT; US-PGPUB | 2004/08/01 15:28 |
| 25 | 154 | (348/570).CCLS. | USPAT; US-PGPUB | 2004/08/01 15:29 |
| 26 | 8 | ((348/570).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel) | USPAT; US-PGPUB | 2004/08/01 15:29 |
| 27 | 3 | ((348/570).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not ((348/567).CCLS.) not (((348/565).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not (((348/564).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not (((348/563).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not ((348/553).CCLS.) not ((348/554).CCLS.) not ((348/569).CCLS.) not (((("6249320") or ("6115074") or ("6111612") or ("6111611") or ("6031577") or ("5914746") or ("5200823") or ("6598233") or ("6313886") or ("6137539") or ("6133910") or ("5914746") or ("5485221"))).PN.) | USPAT; US-PGPUB | 2004/08/01 15:29 |
| 28 | 296 | (348/589).CCLS. | USPAT; US-PGPUB | 2004/08/01 15:29 |
| 29 | 6 | ((348/589).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel) | USPAT; US-PGPUB | 2004/08/01 15:29 |

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| 30 | 0 | (((348/589).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not (((348/570).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not (((348/567).CCLS.) not (((348/565).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not (((348/564).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not (((348/563).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not (((348/553).CCLS.) not (((348/554).CCLS.) not (((348/569).CCLS.) not ((("6249320" or ("6115074") or ("6111612") or ("6111611") or ("6031577") or ("5914746") or ("5200823") or ("6598233") or ("6313886") or ("6137539") or ("6133910") or ("5914746") or ("5485221")).PN.) (348/720).CCLS. | USPAT; US-PGPUB | 2004/08/01 15:29 |
| 31 | 78 | | USPAT; US-PGPUB | 2004/08/01 15:29 |
| 32 | 2 | (((348/720).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) | USPAT; US-PGPUB | 2004/08/01 15:29 |
| 33 | 2 | (((348/720).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not (((348/589).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not (((348/570).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not (((348/567).CCLS.) not (((348/565).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not (((348/564).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not (((348/563).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not (((348/553).CCLS.) not (((348/554).CCLS.) not (((348/569).CCLS.) not ((("6249320" or ("6115074") or ("6111612") or ("6111611") or ("6031577") or ("5914746") or ("5200823") or ("6598233") or ("6313886") or ("6137539") or ("6133910") or ("5914746") or ("5485221")).PN.) (348/731).CCLS. | USPAT; US-PGPUB | 2004/08/01 15:30 |
| 34 | 602 | | USPAT; US-PGPUB | 2004/08/01 15:33 |
| 35 | 33 | (((348/731).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) | USPAT; US-PGPUB | 2004/08/01 15:33 |

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| 36 | 16 | ((348/731).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not ((348/720).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not ((348/589).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not ((348/570).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not ((348/567).CCLS.) not ((348/565).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not ((348/564).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not ((348/563).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not ((348/553).CCLS.) not ((348/554).CCLS.) not ((348/569).CCLS.) not (("6249320" or ("6115074" or ("6111612" or ("6111611" or ("6031577" or ("5914746" or ("5200823" or ("6598233" or ("6313886" or ("6137539" or ("6133910" or ("5914746" or ("5485221"))).PN.) (348/732).CCLS. | USPAT; US-PGPUB | 2004/08/01 15:33 |
| 37 | 192 | | USPAT; US-PGPUB | 2004/08/01 15:34 |
| 38 | 6 | ((348/732).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel) | USPAT; US-PGPUB | 2004/08/01 15:34 |
| 39 | 3 | ((348/732).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not ((348/731).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not ((348/720).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not ((348/589).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not ((348/570).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not ((348/567).CCLS.) not ((348/565).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not ((348/564).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not ((348/563).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not ((348/553).CCLS.) not ((348/554).CCLS.) not ((348/569).CCLS.) not (("6249320" or ("6115074" or ("6111612" or ("6111611" or ("6031577" or ("5914746" or ("5200823" or ("6598233" or ("6313886" or ("6137539" or ("6133910" or ("5914746" or ("5485221"))).PN.) (348/725).CCLS. | USPAT; US-PGPUB | 2004/08/01 15:34 |
| 40 | 633 | | USPAT; US-PGPUB | 2004/08/01 15:35 |

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| 41 | 558 | ((348/725).CCLS.) not (((348/732).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not (((348/731).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not (((348/720).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not (((348/589).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not (((348/570).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not ((348/567).CCLS.) not (((348/565).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not (((348/564).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not (((348/563).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not ((348/553).CCLS.) not ((348/554).CCLS.) not ((348/569).CCLS.) not (((("6249320") or ("6115074") or ("6111612") or ("6111611") or ("6031577") or ("5914746") or ("5200823") or ("6598233") or ("6313886") or ("6137539") or ("6133910") or ("5914746") or ("5485221"))).PN.) | USPAT; US-PGPUB | 2004/08/01 15:35 |
| 42 | 8 | ((348/725).CCLS.) not (((348/732).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not (((348/731).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not (((348/720).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not (((348/589).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not (((348/570).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not ((348/567).CCLS.) not (((348/565).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not (((348/564).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not (((348/563).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not ((348/553).CCLS.) not ((348/554).CCLS.) not ((348/569).CCLS.) not (((("6249320") or ("6115074") or ("6111612") or ("6111611") or ("6031577") or ("5914746") or ("5200823") or ("6598233") or ("6313886") or ("6137539") or ("6133910") or ("5914746") or ("5485221"))).PN.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel) | USPAT; US-PGPUB | 2004/08/01 15:35 |

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| 43 | 119 | (348/385.1).CCLS. | USPAT; US-PGPUB | 2004/08/01 15:35 |
| 44 | 9 | ((348/385.1).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel) | USPAT; US-PGPUB | 2004/08/01 15:36 |
| 45 | 6 | ((348/385.1).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not ((348/725).CCLS.) not ((348/732).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not ((348/731).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not ((348/720).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not ((348/589).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not ((348/570).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not ((348/567).CCLS.) not ((348/565).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not ((348/564).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not ((348/563).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not ((348/553).CCLS.) not ((348/554).CCLS.) not ((348/569).CCLS.) not (("6249320") or ("6115074") or ("6111612") or ("6111611") or ("6031577") or ("5914746") or ("5200823") or ("6598233") or ("6313886") or ("6137539") or ("6133910") or ("5914746") or ("5485221")).PN.) | USPAT; US-PGPUB | 2004/08/01 15:36 |
| 46 | 0 | (348/388).CCLS. | USPAT; US-PGPUB | 2004/08/01 15:36 |
| 47 | 66 | (348/388.1).CCLS. | USPAT; US-PGPUB | 2004/08/01 15:36 |
| 48 | 9 | ((348/385.1).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel) | USPAT; US-PGPUB | 2004/08/01 15:36 |

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| 49 | 0 | ((((348/385.1).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not (((348/385.1).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not ((348/725).CCLS.) not (((348/732).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not (((348/731).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not (((348/720).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not (((348/589).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not (((348/570).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not ((348/567).CCLS.) not (((348/565).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not (((348/564).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not (((348/563).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not ((348/553).CCLS.) not ((348/554).CCLS.) not ((348/569).CCLS.) not (((("6249320") or ("6115074") or ("6111612") or ("6111611") or ("6031577") or ("5914746") or ("5200823") or ("6598233") or ("6313886") or ("6137539") or ("6133910") or ("5914746") or ("5485221")).PN.) (348/468).CCLS. | USPAT; US-PGPUB | 2004/08/01 15:36 |
| 50 | 409 | (348/468).CCLS. | USPAT; US-PGPUB | 2004/08/01 15:38 |

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| 51 | 367 | ((348/468).CCLS.) not (((348/385.1).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not ((348/385.1).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not ((348/725).CCLS.) not ((348/732).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not ((348/731).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not ((348/720).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not ((348/589).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not ((348/570).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not ((348/567).CCLS.) not ((348/565).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not ((348/564).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not ((348/563).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not ((348/553).CCLS.) not ((348/554).CCLS.) not ((348/569).CCLS.) not (("6249320") or ("6115074") or ("6111612") or ("6111611") or ("6031577") or ("5914746") or ("5200823") or ("6598233") or ("6313886") or ("6137539") or ("6133910") or ("5914746") or ("5485221")).PN.) | USPAT; US-PGPUB | 2004/08/01 15:38 |
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| 52 | 9 | ((348/468).CCLS.) not (((348/385.1).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not ((348/385.1).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not ((348/725).CCLS.) not (((348/732).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not (((348/731).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not (((348/720).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not (((348/589).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not (((348/570).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not ((348/567).CCLS.) not (((348/565).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not (((348/564).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not (((348/563).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not ((348/553).CCLS.) not ((348/554).CCLS.) not ((348/569).CCLS.) not (((6249320") or ("6115074") or ("6111612") or ("6111611") or ("6031577") or ("5914746") or ("5200823") or ("6598233") or ("6313886") or ("6137539") or ("6133910") or ("5914746") or ("5485221")).PN.)) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel) | USPAT; US-PGPUB | 2004/08/01 15:38 |
| 53 | 442 | (348/473).CCLS. | USPAT; US-PGPUB | 2004/08/01 15:39 |
| 54 | 19 | ((348/473).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel) | USPAT; US-PGPUB | 2004/08/01 15:39 |

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|----|----|--|--------------------|---------------------|
| 55 | 11 | ((348/473).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not ((348/468).CCLS.) not (((348/385.1).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not (((348/385.1).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not ((348/725).CCLS.) not (((348/732).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not (((348/731).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not ((348/720).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not ((348/589).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not (((348/570).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not ((348/567).CCLS.) not (((348/565).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not ((348/564).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not (((348/563).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not ((348/553).CCLS.) not ((348/554).CCLS.) not ((348/569).CCLS.) not (((("6249320" or ("6115074") or ("6111612") or ("6111611") or ("6031577") or ("5914746") or ("5200823") or ("6598233") or ("6313886") or ("6137539") or ("6133910") or ("5914746") or ("5485221")).PN.) | USPAT; US-PGPUB | 2004/08/01 15:39 |
| 56 | 84 | (348/474).CCLS. | USPAT; US-PGPUB | 2004/08/01 15:39 |
| 57 | 0 | ((348/474).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel) | USPAT; US-PGPUB | 2004/08/01 15:39 |
| 58 | 42 | (348/487).CCLS. | USPAT; US-PGPUB | 2004/08/01 15:40 |
| 59 | 7 | ((348/487).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel) | USPAT; US-PGPUB | 2004/08/01 15:40 |

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|----|-----|---|--------------------|---------------------|
| 60 | 5 | ((((348/487).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not ((348/473).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not ((348/468).CCLS.) not (((348/385.1).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not ((348/385.1).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not ((348/725).CCLS.) not ((348/732).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not ((348/731).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not ((348/720).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not ((348/589).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not ((348/570).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not ((348/567).CCLS.) not ((348/565).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not ((348/564).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not ((348/563).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not ((348/553).CCLS.) not ((348/554).CCLS.) not ((348/569).CCLS.) not ((("6249320") or ("6115074") or ("6111612") or ("6111611") or ("6031577") or ("5914746") or ("5200823") or ("6598233") or ("6313886") or ("6137539") or ("6133910") or ("5914746") or ("5485221")).PN.) (725/40).CCLS. | USPAT; US-PGPUB | 2004/08/01 15:40 |
| 61 | 215 | | USPAT; US-PGPUB | 2004/08/01 15:41 |
| 62 | 17 | ((725/40).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel) | USPAT; US-PGPUB | 2004/08/01 15:41 |

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|----|----|---|--------------------|---------------------|
| 63 | 7 | (((725/40).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not (((348/487).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not (((348/473).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not ((348/468).CCLS.) not (((348/385.1).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not ((348/385.1).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not ((348/725).CCLS.) not (((348/732).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not (((348/731).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not (((348/720).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not (((348/589).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not (((348/570).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not ((348/567).CCLS.) not ((348/565).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not ((348/564).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not ((348/563).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not ((348/553).CCLS.) not ((348/554).CCLS.) not ((348/569).CCLS.) not (("6249320") or ("6115074") or ("6111612") or ("6111611") or ("6031577") or ("5914746") or ("5200823") or ("6598233") or ("6313886") or ("6137539") or ("6133910") or ("5914746") or ("5485221")).PN.) (725/52).CCLS. | USPAT; US-PGPUB | 2004/08/01 15:41 |
| 64 | 97 | | USPAT; US-PGPUB | 2004/08/01 15:42 |

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|----|----|---|--------------------|---------------------|
| 65 | 86 | ((725/52).CCLS.) not (((725/40).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not (((348/487).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not (((348/473).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not ((348/468).CCLS.) not (((348/385.1).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not ((348/385.1).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not ((348/725).CCLS.) not (((348/732).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not (((348/731).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not (((348/720).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not (((348/589).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not (((348/570).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not ((348/567).CCLS.) not (((348/565).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not (((348/564).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not (((348/563).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not ((348/553).CCLS.) not ((348/554).CCLS.) not ((348/569).CCLS.) not (("6249320") or ("6115074") or ("6111612") or ("6111611") or ("6031577") or ("5914746") or ("5200823") or ("6598233") or ("6313886") or ("6137539") or ("6133910") or ("5914746") or ("5485221")).PN.) | USPAT; US-PGPUB | 2004/08/01 15:42 |
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| 66 | 5 | ((725/52).CCLS.) not ((725/40).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not ((348/487).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not ((348/473).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not ((348/468).CCLS.) not (((348/385.1).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not ((348/385.1).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not ((348/725).CCLS.) not ((348/732).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not ((348/731).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not ((348/720).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not ((348/589).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not ((348/570).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not ((348/567).CCLS.) not ((348/565).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not ((348/564).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not ((348/563).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not ((348/553).CCLS.) not ((348/554).CCLS.) not ((348/569).CCLS.) not (("6249320") or ("6115074") or ("6111612") or ("6111611") or ("6031577") or ("5914746") or ("5200823") or ("6598233") or ("6313886") or ("6137539") or ("6133910") or ("5914746") or ("5485221")).PN.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel) | USPAT; US-PGPUB | 2004/08/01 15:42 |
| 67 | 73 | (725/54).CCLS. | USPAT; US-PGPUB | 2004/08/01 15:43 |
| 68 | 10 | ((725/54).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel) | USPAT; US-PGPUB | 2004/08/01 15:43 |

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|----|-----|---|--------------------|---------------------|
| 69 | 3 | ((725/54).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not ((725/52).CCLS.) not ((725/40).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not ((348/487).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not ((348/473).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not ((348/468).CCLS.) not (((348/385.1).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not ((348/385.1).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not ((348/725).CCLS.) not ((348/732).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not ((348/731).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not ((348/720).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not ((348/589).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not ((348/570).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not ((348/567).CCLS.) not ((348/565).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not ((348/564).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not ((348/563).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not ((348/553).CCLS.) not ((348/554).CCLS.) not ((348/569).CCLS.) not (((6249320) or ("6115074") or ("6111612") or ("6111611") or ("6031577") or ("5914746") or ("5200823") or ("6598233") or ("6313886") or ("6137539") or ("6133910") or ("5914746") or ("5485221")).PN.) (725/142).CCLS. | USPAT; US-PGPUB | 2004/08/01 15:43 |
| 70 | 183 | | USPAT; US-PGPUB | 2004/08/01 15:50 |
| 71 | 11 | ((725/142).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel) | USPAT; US-PGPUB | 2004/08/01 15:50 |

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| 73 | 9 | (((725/142).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not (((725/54).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not ((725/52).CCLS.) not (((725/40).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not (((348/487).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not (((348/473).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not ((348/468).CCLS.) not (((348/385.1).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not (((348/385.1).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not ((348/725).CCLS.) not (((348/732).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not (((348/731).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not (((348/720).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not (((348/589).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not (((348/570).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not ((348/567).CCLS.) not (((348/565).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not (((348/564).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not (((348/563).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not ((348/553).CCLS.) not ((348/554).CCLS.) not ((348/569).CCLS.) not (((("6249320") or ("6115074") or ("6111612") or ("6111611") or ("6031577") or ("5914746") or ("5200823") or ("6598233") or ("6313886") or ("6137539") or ("6133910") or ("5914746") or ("5485221"))).PN.) (725/152).CCLS. | USPAT; US-PGPUB | 2004/08/01 15:50 |
| 73 | 74 | | USPAT; US-PGPUB | 2004/08/01 15:50 |

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|----|----|--|--------------------|---------------------|
| 74 | 70 | ((725/152).CCLS.) not (((725/142).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not (((725/54).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not ((725/52).CCLS.) not (((725/40).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not (((348/487).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not (((348/473).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not ((348/468).CCLS.) not (((348/385.1).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not (((348/385.1).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not ((348/725).CCLS.) not (((348/732).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not (((348/731).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not (((348/720).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not (((348/589).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not (((348/570).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not ((348/567).CCLS.) not ((348/565).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not (((348/564).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not (((348/563).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not ((348/553).CCLS.) not ((348/554).CCLS.) not ((348/569).CCLS.) not ((("6249320") or ("6115074") or ("6111612") or ("6111611") or ("6031577") or ("5914746") or ("5200823") or ("6598233") or ("6313886") or ("6137539") or ("6133910") or ("5914746") or ("5485221")).PN.) | USPAT; US-PGPUB | 2004/08/01 15:50 |
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| 75. | 4 | ((725/152).CCLS.) not (((725/142).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not (((725/54).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not ((725/52).CCLS.) not (((725/40).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not (((348/487).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not (((348/473).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not ((348/468).CCLS.) not (((348/385.1).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not (((348/385.1).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not ((348/725).CCLS.) not (((348/732).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not (((348/731).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not (((348/720).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not (((348/589).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not (((348/570).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not ((348/567).CCLS.) not (((348/565).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not (((348/564).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not (((348/563).CCLS.) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) not ((348/553).CCLS.) not ((348/554).CCLS.) not ((348/569).CCLS.) not (((6249320") or ("6115074") or ("6111612") or ("6111611") or ("6031577") or ("5914746") or ("5200823") or ("6598233") or ("6313886") or ("6137539") or ("6133910") or ("5914746") or ("5485221").PN.)) and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel) | USPAT; US-PGPUB | 2004/08/01 16:04 |
| 76 | 120 | designated near ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel) | USPAT; US-PGPUB | 2004/08/01 15:51 |
| 77 | 120 | designated near ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel) | USPAT; US-PGPUB | 2004/08/01 15:51 |
| 78 | 0 | "x" near designated near ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel) | USPAT; US-PGPUB | 2004/08/01 15:51 |

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| 79 | 120 | designated near ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel) | USPAT; US-PGPUB | 2004/08/01 15:52 |
| 80 | 0 | "not designated" near ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel) | USPAT; US-PGPUB | 2004/08/01 15:52 |
| 81 | 0 | "not been designated" near ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel) | USPAT; US-PGPUB | 2004/08/01 15:59 |
| 82 | 0 | "not been designated" near ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/08/01 16:03 |
| 83 | 0 | "channel cannot be identified" | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/08/01 16:03 |
| 84 | 0 | "channel can't identified" | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/08/01 16:04 |
| 85 | 0 | "channel can't be identified" | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/08/01 16:04 |
| 86 | 4133 | "channel" near "identified" | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/08/01 16:04 |
| 87 | 466 | ("channel" near "identified") and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel) | USPAT; US-PGPUB | 2004/08/01 16:04 |
| 88 | 96 | ((("channel" near "identified") and ("vct" or "virtual channel" or "virtual-channel" or sub-channel or subchannel)) and (analog near digital) | USPAT; US-PGPUB | 2004/08/01 16:05 |
| - | 142 | yenke\$.xa. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/07/29 15:15 |
| - | 24 | 348/\$.ccls. and 20040727.pd. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/07/27 10:08 |
| - | 1 | "20040047593" | USPAT; US-PGPUB | 2004/07/27 10:44 |
| - | 0 | "20040047593" and integer | USPAT; US-PGPUB | 2004/07/27 10:44 |
| - | 0 | "20040047593" and fraction | USPAT; US-PGPUB | 2004/07/27 10:45 |
| - | 134 | typically same integer same (pll) | USPAT; US-PGPUB | 2004/07/27 10:46 |
| - | 2 | wo-9013978-\$.did. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/07/27 11:32 |
| - | 183 | (348/663).CCLS. | USPAT; US-PGPUB | 2004/07/27 11:36 |
| - | 36 | (348/664).CCLS. | USPAT; US-PGPUB | 2004/07/27 11:37 |
| - | 198 | (348/665).CCLS. | USPAT; US-PGPUB | 2004/07/27 11:37 |

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|---|------|---|---|---------------------|
| - | 3 | (("5621659") or ("5591984") or ("6098138")).PN. | USPAT; US-PGPUB | 2004/07/30 14:59 |
| - | 370 | (348/448).CCLS. | USPAT; US-PGPUB | 2004/07/30 15:00 |
| - | 235 | ((348/448).CCLS.) and motion | USPAT; US-PGPUB | 2004/07/30 16:26 |
| - | 2 | "6043854" | USPAT; US-PGPUB | 2004/07/30 16:53 |
| - | 41 | bogese\$.in. | USPAT; US-PGPUB | 2004/07/30 18:30 |
| - | 5 | takagi\$.in. and yamamoto\$.in. and Inui\$.in. and Nishida\$.in. | USPAT; US-PGPUB | 2004/07/30 18:36 |
| - | 5 | "20020112248" or "20020104085" or "20020101541" or "20020097340" or "20020097164" | USPAT; US-PGPUB | 2004/07/30 18:37 |
| - | 10 | "20020112248" or "20020104085" or "20020101541" or "20020097340" or "20020097164" | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/07/31 15:20 |
| - | 1 | ("6,593,934").PN. | USPAT | 2004/07/31 17:19 |
| - | 1 | ("20020097340").PN. | USPAT; US-PGPUB | 2004/07/31 17:44 |
| - | 6722 | "vct" or "virtual channel table" or "virtual channel" | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/07/31 17:45 |
| - | 212 | ("vct" or "virtual channel table" or "virtual channel") and (sub-channel or subchannel) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/07/31 18:27 |
| - | 125 | ("vct" or "virtual channel table" or "virtual channel") and (osd or "onscreen display" or "on-screen display") | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/08/01 14:48 |